

MATERIAL SAFETY DATA SHEET

MSDS # 1172 – IKO ARMOURREFLECT WHITE COAT

IMPORTANT: Read this Material Safety Data Sheet before handling or disposing of this product. This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

SECTION 1 PRODUCT AND MANUFACTURER'S INFORMATION

Manufacturer/Supplier's Name: IKO Industries Ltd.

Address: 71 Orenda Road
Brampton, Ontario
L6W 1V8

Emergency Phone: (905) 457-2880 - EXT. 3354

Product Name: IKO ArmourReflect White Coat

SECTION 2 PREPARATION INFORMATION

Prepared/Reviewed By: HSE Department

Phone Number: (905) 457-2880 - EXT. 3354

Date: July 28, 2016

SECTION 3 HAZARDS IDENTIFICATION

EFFECTS OF OVER EXPOSURE

INHALATION: Excessive exposure to vapors may be irritating to the nose, throat, upper respiratory tract and lungs.

Excessive exposure can result in headaches, dizziness, nausea, and narcotic effects; it can be defined as inadequate ventilation for extended periods of time.

EYE CONTACT: Splash of the liquid or concentrated vapors may cause severe eye irritation. Severe injuries may result from repeated or prolonged contact. Injuries to the eye may be permanent if not treated immediately.

SKIN CONTACT: Prolonged exposure on the skin may cause irritation and may be absorbed through the skin causing defatting, redness and cracking. Toxic amounts of product may be absorbed through the skin.

INGESTION: If swallowed, this product may cause vomiting, nausea and diarrhea, and may be harmful if swallowed in very large amounts.

CHRONIC EXPOSURE: Prolonged skin contact may cause dermatitis

SECTION 4 COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Component	Percent
111-76-2	Ethylene Glycol Monobutyl Ether	1 – 5%

SECTION 5 FIRST AID MEASURES

INHALATION: Move the victim to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. Seek immediate medical attention.

EYE CONTACT: Immediately flush eyes with lukewarm water for at least 15 minutes, holding eyelids open. Seek immediate medical attention.

SKIN CONTACT: Remove the paint residue using industrial grade hand cleaner. Wash the skin with plenty of warm water and mild non-abrasive soap for at

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least 15 minutes. Do not use cold water. Remove contaminated clothes, wash clothing before reuse. If the irritation persists repeat the washing procedure. Seek medical attention.

INGESTION: Do not induce vomiting. If conscious give large quantities of water. Keep the victim warm and quiet. Seek immediate medical attention. Should vomiting occur, lean the victim over to reduce the risk of aspiration.

SECTION 6 FIRE FIGHTING MEASURES

FLASH POINT

(ASTM D93, P-M CC): None

NOTES ON FLASH POINT: P-M CC, TCC, TOC: Continuous emission of steam observed at 100°C (212°F)

EXPLOSION LIMITS: Not Available

EXTINGUISHING MEDIA: Dry chemical, CO₂, alcohol resistant foam, or water spray

SPECIAL FIRE FIGHTING

PROCEDURES: Wear self-contained breathing apparatus, complete protective clothing (overalls, boots, goggles, etc.), and safety equipment. Evacuate area and fight fire from a safe distance.

UNUSUAL FIRE &

EXPLOSION HAZARDS: Material will not burn until all water has been evaporated off. May boil vigorously or spatter if temperature exceeds boiling point. Dry polymer films are capable of burning.

AUTO-IGNITION

TEMPERATURE: Not Available

HAZARDOUS COMBUSTION

PRODUCTS: Oxides of carbon and other poisonous gases.

EXPLOSION DATA:

-SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive

-SENSITIVITY TO STATIC CHARGE: Sensitive

SECTION 7 ACCIDENTIAL RELEASE MEASURES

Avoid prolonged breathing of vapor when performing any clean-up of spills. Ventilate the area. Absorb the spill by using an inert material (sand, earth, vermiculate, etc.). Transfer the absorbed material into a waste container. Use water to clean up affected area.

Prevent the product or any wash waters from entering the water systems or sewers. Wear a NIOSH/OSHA approved organic vapor canister respirator. Wear protective clothing such as safety eyewear, overalls, impervious boots, and chemical resistant gloves.

SECTION 8 HANDLING AND STORAGE

STORAGE

Store in a cool, dry, well-ventilated area. Keep away from direct sunlight, high heat, incompatible materials and any sources of ignition.

Storage above 55 C or 122 F may effect product quality.

HANDLING

No special instructions

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SECTION 9 EXPOSURE CONTROLS / PERSONNEL PROTECTION

RESPIRATORY PROTECTION (SPECIFIC TYPE)

No special requirements under normal conditions. Use an organic vapor mask under extreme conditions and use a NIOSH/OSHA approved organic vapor canister respirator when exposure levels are exceeded. Always provide adequate ventilation.

Engineering: provide sufficient ventilation to control the exposure levels below limits where applicable.

EYE PROTECTION

Wear anti-splash chemical goggles with side shields or wear a full face shield. Contact lenses should not be worn when working around organic solvents that can be found in some water based products.

OTHER PRECAUTIONS

Avoid repeated or prolonged contact with the skin. If rags are used with this product as a cleaning purpose, discard them into a water filled container after use.

SECTION 10 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid,	Odor:	Ammonia odour
Freezing Point:	32 °F / 0 °C	pH:	8.0 – 8.5
Vapor Pressure:	Not Available	Vapor Density:	Not Available
Boiling Point:	Not Available	Flash Point:	None
Solubility (H ₂ O):	Soluble	Specific Gravity:	1.037 g/ml (typical)
Evaporation Rate:	Slower than n-BuAc	VOC:	< 60 g/L
% Solids (by weight):	45% (typical)		
% Volatile (by weight):	55% (typical)		
% Solids (by volume):	38% (typical)		

SECTION 11 CHEMICAL STABILITY AND REACTIVITY INFORMATION

STABILITY: Stable

CONDITIONS OF INSTABILITY: None known.

MATERIALS TO AVOID

(INCOMPATIBLES): Can react violently with strong oxidizing agents, alkalis and acids.

HAZARDOUS

DECOMPOSITION PRODUCTS: Oxides of carbon.

HAZARDOUS

POLYMERIZATION: No, will not occur.

SECTION 12 TOXICOLOGICAL INFORMATION

CHRONIC EXPOSURE: Prolonged skin contact may cause dermatitis.

CARCINOGENICITY: No ingredients listed by IARC or ACGIH

REPRODUCTIVE TOXICITY: Not Available

MUTAGENICITY: Not Available

SYNERGISTIC PRODUCTS: Not Available

REGULATORY STATUS: All ingredients are listed on the TSCA (USA) and the DSL (Cdn).

TOXICOLOGY DATA

Ingredient Name	CAS Number	Weight Percent	LD50	LC50	TLV
Ethylene Glycol Monobutyl Ether	111-76-2	1 – 5%	1.48 g/kg, oral, rat	Not Available	10 mg/m ³

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SECTION 13 ECOLOGICAL INFORMATION

Not available

SECTION 14 DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable Federal, Provincial, and Municipal regulations

SECTION 15 TRANSPORTATION INFORMATION

Shipping Name: Not regulated by TDG
TDG Classification: Not regulated by TDG

SECTION 16 REGULATORY INFORMATION

WHMIS CLASSIFICATION

Class D, Dev. 2b, Materials Causing Other Toxic Effects

REGULATORY STATUS

Not regulated by TDG

HMIS RATING SYSTEM	
Degree of Hazard	Hazard Rating
Health: 1	0: Least
	1: Slight
Fire: 0	2: Moderate
	3: High
Reactivity: 0	4: Extreme